

## **Chapter 60**

## **Chapter 60 – Predictive Services**

### **Intelligence Reporting Procedures**

The main function of the Intelligence Unit is to provide up-to-date, real-time information to management staff regarding active incidents (wildfire suppression and/or managed fire), fire weather conditions, and resource allocations and availability.

Each GACC must rely on the Units to report certain information that enables compliance with national and state requirements. The ECCs will use established procedures in the daily reporting of shared resources. GACCs will maintain a list of days off for crews and airtankers. It is the responsibility of the Unit controlling the resource to advise the GACCs of any change in available status.

### **Federal Daily 1000 am Report**

Resource status will be updated continually using ROSS. GACC Intelligence offices will use ROSS/Cognos reports for collection of federal resource status for the 1000 am report.

The 1000 ROSS/Cognos report will include:

- Number of Engines, Dozers, Water Tenders, Types 1, 2IA and 2 hand crews, with current ROSS status.

By 1100 hours each day during fire season, GACC Intelligence offices will compile and post to the GACC Intel webpage the Daily report which documents current resource status.

Available for ONCC at: [http://gacc.nifc.gov/oncc/predictive/intelligence/news\\_notes/index.htm](http://gacc.nifc.gov/oncc/predictive/intelligence/news_notes/index.htm)

Available for OSCC at: [http://gacc.nifc.gov/oscc/predictive/intelligence/news\\_notes/index.htm](http://gacc.nifc.gov/oscc/predictive/intelligence/news_notes/index.htm)

### **Situation Report**

#### **Interagency Situation Reporting**

Daily: May through October.

November through April when either of the following conditions are met:

- Wild fire activity occurs.
- A Unit's fire Danger is reported as very high or extreme.

The GACC will ensure that Units complete data entry on a daily or weekly basis as required by NICC.

The Federal Interagency Situation (Sit) Report program captures incident activity and resource status information in a brief summary intended for use by managers. Once the information has been submitted via the web site (<http://fam.nwcg.gov/fam-web/>), it is used at the local dispatch offices, the GACCs and NICC to produce summary reports, which are then distributed to agency managers for use as a decision-making tool.

The GACCs and NICC use the Sit Report program to run reports from data that has been entered by the Units. The GACCs have edit access to all of their respective Units' Sit Report data. NICC has edit access to all Units' Sit Report data, and bases the National Incident Management Situation Report (IMSR) on this information.

Access to the input side of the Interagency Situation Report program can be obtained by calling the GACC Intelligence Coordinator for your area.

During the active fire season, the Sit Report is prepared on a daily basis. In the off-season, it is submitted on a more limited basis, depending on the level of incident activity, NICC requirements, or direction from the GACC. For more specific reporting requirements and program instructions, reference the Sit Report User's Guide at:

[http://gacc.nifc.gov/predictive\\_services/intelligence/national\\_intelligence\\_operations\\_program/sit\\_report\\_program/sit\\_report\\_users\\_guide/index.htm](http://gacc.nifc.gov/predictive_services/intelligence/national_intelligence_operations_program/sit_report_program/sit_report_users_guide/index.htm)

By 1700 hours each day during fire season, each Unit will report the following information using the web-based Sit Report program:

- Unit Preparedness Levels.
- Daily Fire Statistics.
- Resource Status, what each Unit expects to have available for tomorrow.
- Planned Prescribed (Rx) Fires.
- Dispatch Center Remarks:
  - Brief summary of current situation.
  - Predicted NFDRS adjective ratings.
  - On-call dispatcher.
- Year-To-Date (YTD) Statistics.
- Dispatch office incident priority.

### **Incident Status Summary (ICS-209) Form**

The GACC will ensure that information in the 209 Program is current for use in the Sit Report.

The Incident Status Summary (ICS-209) is submitted to the GACC through a web-based application. Specific instructions for completing the web-based ICS-209 are available at:

[http://www.predictiveservices.nifc.gov/intelligence/ICS-209\\_User\\_Guide\\_2.0.pdf](http://www.predictiveservices.nifc.gov/intelligence/ICS-209_User_Guide_2.0.pdf)

For fire size and class, refer to the link found in the California Interagency Mobilization Guide, Appendix A.

Units or Incidents should submit ICS-209 forms according to the following:

- a. Initial ICS-209:
  1. When a fire in timber reaches 100 acres or grass/brush reaches 300 acres.  
OR
  2. Non-Fire incident, commitment of Type 1 or Type 2 IMT.  
OR
  3. Significant commitment of national resources (Aircraft, Federal Type 1 crews, Smokejumpers)  
OR
  4. When an incident is determined to be a wildfire managed for resource objectives, regardless of size  
OR
  5. At discretion of GACC and/or CalMAC (based on resource commitment)
- b. ICS-209 Update:
  1. Twice during each established operational period by 0600 and 1800 hours. May be negotiated to once a day with concurrence from IC, Agency Administrator, Unit Chief and GACC.  
AND/OR
  2. Upon special request by CalMAC.  
OR
  3. Wildfires managed for resource objectives will be submitted daily, at 1800 hours
- c. Final ICS-209:
  1. When less than 15 single resources remain assigned to an incident,  
OR
  2. When the incident no longer has any significant effect on agency resource availability.

**Incident Map**

Incidents should send incident map data directly to the GACC (electronically if possible) as soon as it becomes available, and as it is updated.

**Monthly Fire Report**

At the end of each month all National Forests will tabulate the total number of fires and acres burned that month. The totals will be transmitted to the respective GACC, on the forms provided, by the second day of each month.

**Interagency Intelligence Report**

The Interagency Intelligence Report will include a synopsis on current overall status within the GACC, a section on the general weather forecast for the day, and an extended weather outlook for the next 2-4 days. This report will also include sections detailing each significant incident within the GACC. These sections will give a brief incident summary of individual incidents and the resources committed to them. This report will be compiled from the most current information available and will be electronically shared with cooperating agencies by 1200 hours each day during large fire activity.

Each GACC's Predictive Services will utilize a Fire Behavior Analyst (FBAN) for preparing a Fuels and Fire Behavior Advisory.

**Predictive Services Weather**

Weather and fire danger products and a variety of other tools are often utilized to make fire management decisions. Many of these products, including firefighter pocket cards, are based on the data maintained in historical fire occurrence and weather databases. In order to make these products as accurate as possible, fire management staff will ensure weather station and fire history data are entered correctly and accurately into the appropriate databases in a timely manner. The importance of these systems will be reiterated at fire management meetings, training sessions and through email systems.

**Daily issuance of the 7-Day Significant Fire Potential product:**

Each GACC's Predictive Services/Fire Weather Centers will produce a "7-Day Significant Fire Potential" product daily. This will be posted on the Predictive Services Weather web pages by 1030.

North GACC website at: <http://psgeodata.fs.fed.us/7day/action/forecast/10>

South GACC website at: <http://psgeodata.fs.fed.us/7day/action/forecast/8>

Reference the National Interagency Mobilization Guide (NMG) Chapter 60, for content and format.  
<http://www.nifc.gov/nicc/mobguide/index.html>

**Monthly Fire Weather/Fire Danger Outlook:**

The Monthly Fire Weather/Fire Danger Outlook and map will be completed by each GACC and submitted to NICC three days prior to the end of each month. It is due monthly year-round.

**NICC National Wildland Fire Outlook:**

Each GACC Predictive Services will ensure that a copy of the Monthly National Wildland Fire Outlook is posted to:

North GACC website at: <http://gacc.nifc.gov/oncc/predictive/outlooks/index.htm>

South GACC website at: <http://gacc.nifc.gov/oscc/predictive/outlooks/index.htm>

**Monthly Zone/Regional Fire Report:**

Each GACC will compile their respective forests' fires and acres tabulations for the preceding month and develop the monthly geographic area fire report for their area. North Ops Predictive Services will electronically transmit their report to South Ops Predictive Services/Intelligence for compilation of the two Geographic Area reports into the Regional Monthly Fire Report. Upon completion of this regional report by South Ops Predictive Services a copy will be transmitted to the Regional Office as well as to North Ops Predictive Services. Each GACC's Predictive Services Section will be responsible for electronically transmitting this report to their respective Units.

**Smoke Transport and Stability Outlooks:**

Each Predictive Services/Fire Weather Center will produce daily a “Smoke Transport and Stability Outlook”,  
 with North Ops at [http://gacc.nifc.gov/oncc/predictive/weather/daily\\_smoke/Smoke.html](http://gacc.nifc.gov/oncc/predictive/weather/daily_smoke/Smoke.html),  
 and South Ops at [http://gacc.nifc.gov/oscc/predictive/weather/daily\\_smoke/Smoke.html](http://gacc.nifc.gov/oscc/predictive/weather/daily_smoke/Smoke.html).  
 These are to be posted on the websites by 1230.

**Fire Weather/ Fire Danger Products:**

The GACCs Predictive Services sections will produce weekly Fire Danger Outlooks in addition to the monthly outlook. These two products show fire danger indices at severity weather stations within the GACC, and are posted on the Pacific Southwest Region website.

ONCC Predictive Services website at: [http://gacc.nifc.gov/oncc/predictive/fuels\\_fire-danger/index.htm](http://gacc.nifc.gov/oncc/predictive/fuels_fire-danger/index.htm)

OSCC Predictive Services website at: [http://gacc.nifc.gov/oscc/predictive/fuels\\_fire-danger/index.htm](http://gacc.nifc.gov/oscc/predictive/fuels_fire-danger/index.htm)

**NFDRS RAWS Maintenance Based on Preparedness Level:**

The following is a matrix describing preparedness level driven actions authorized and action required in maintaining RAWS utilized for NFDRS based products and decision processes.

Item	ACTION DESCRIPTION	Preparedness Levels				
		1	2	3	4	5
	<b>NFDRS RAWS: Year Round - PSA – Pocket Card Stations</b>					
U1	Stations meet NFDRS maintenance standards and siting guidelines	AR	AR	AR	AR	AR
U2	All days with available RAWS data for regular scheduled (R/S) observation times will be "published" in WIMS	AR	AR	AR	AR	AR
U3	All annual maintenance completed as early in the field season as possible (prior to WIMS "greenup" is preferred) and maintenance is documented in WFMI	AR	AR	AR	AR	AR
U4	Identify and troubleshoot data errors within 48 hours	AR	AR	AR	AR	AR
U5	Adhere to the 3-day response time to system failures in fire season - NFDRS STANDARD	AR	AR	See U6 & U7	See U6 & U7	See U6 & U7
U6	Adhere to 24-hour response time to identify, troubleshoot, and process a RAWS Depot/vendor replacement order			AR	AR	AR
U7	Adhere to 24-hour response time to replace or make repairs after receiving the RAWS Depot/vendor replacement order			AR	AR	AR
FS-1	If Forest Service items (U1- U7) are not at required level, the Regional RAWS Coordinator is authorized to secure annual maintenance and/or system failures maintenance at Forest expense.		AR	AR	AR	AR

Item FS-1 is Forest Service specific. Items U1-U7 applies to all agencies.

AR = Action Required    AA=Action Authorized

Internet Sites:

Sit Report and ICS 209: <http://fam.nwccg.gov/fam-web/>

GACC Intelligence: <http://gacc.nifc.gov/oncc/predictive/intelligence/index.htm>  
<http://gacc.nifc.gov/oscc/predictive/intelligence/index.htm>

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